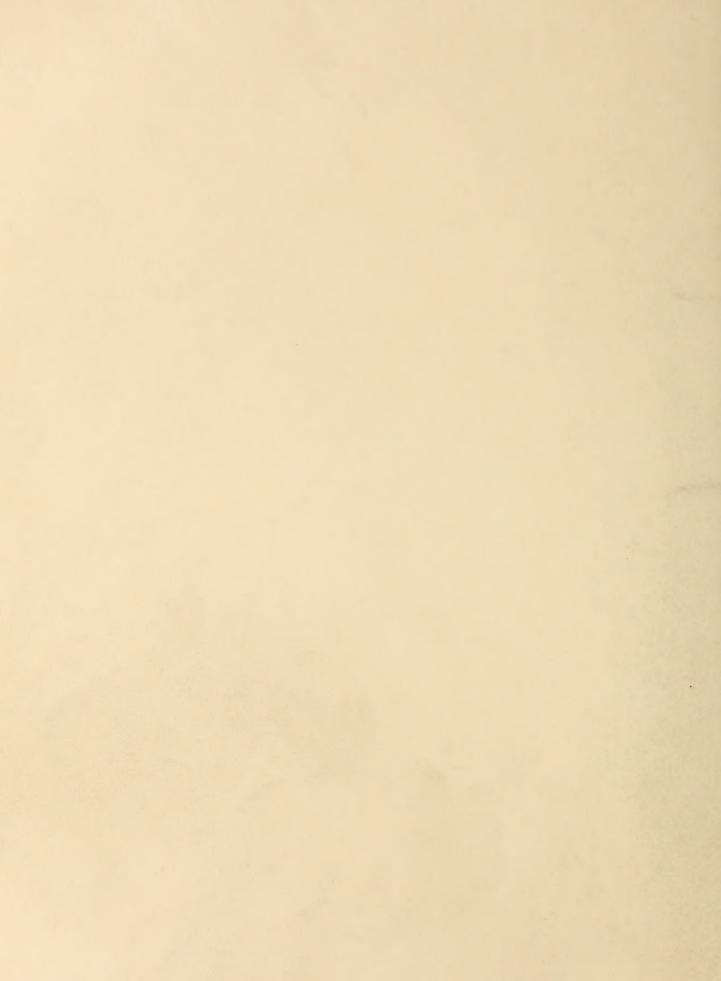
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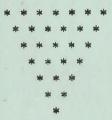
SNOW SURVEYS AND IRRIGATION WATER FORECASTS

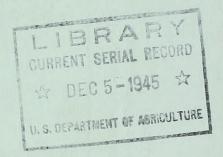
for the

MISSOURI and ARKANSAS

DRAINAGE BASINS

May 1, 1944





Issued by the
United States Department of Agriculture
Soil Conservation Service
Division of Irrigation
In Cooperation with
The Colorado Agricultural Experiment Station
Colorado State College
Fort Collins, Colorado

May 10, 1944

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# SHOW SURVEYS AND IRRIGATION WATER FORECASTS FOR MISSOUR, AND ARKANSAS RIVERS MAY 1, 1944

cooperatively with the State Engineers of Colorado, Nebraska, and Wyoming, and various municipalities, irrigation tion, U. S. Geological Survey; War Department and State Experiment Stations. This work is otherwise conducted Division of Irrigation, Soil Conservation Service, of the U. S. Department of Agriculture, in cooperation with State departments, other Federal bureaus and local organizations. The snow measurements are made principally Forest Service, National Park Service, Bureau of Reclama-The following data pertaining to snow surveys and irrigation water supply forecasts are provided by the associations, power companies and others. Precipitation records are supplied by the U. S. Weather Bureau, by field personnel of the following organizations:

(Based on incomplete returns)

Departure from Normal	Inches -0-15
Precipitation April	Inohes 0.95 0.78 2.30 1.90 1.85 3.46
Departure from Normal	Inches -0.55 -0.55 -0.14 -0.27 -1.46
Precipitation October 1 to April 30	Inches 4.25 4.10 9.61 7.29 11.40 8.29
STATE	East. Mont. Cent. Mont. North. Wyo. Wyoming Colorado
WATERSHED	Missouri Missouri Missouri North Platte South Platte Arkansas

precipitation from October 1 to April 30 is above normal except in Wontana and northern Wroming. Conditions The accumulated Precipitation during April was above normal except in central and eastern Montana. in Colorado and most of Wyoming are excellent.

SUMMARY OF MAY 1 SHOW SURVEYS AND COMPARISON OF DATA

## WITH THAT OF PREVIOUS YEARS BY WATERSHEDS

1943 1944 Year 1943 1944 in Year 1943 1944 Jine Percent Fercent Fercen		Snow	v Jepth		Water	r Content	ent	Number	Snow	w Density		1943 Water C	Content in	4
Year         1943         1944         Year         1943         1944         Year         1943         1944         Year         1943         1944         Yine Town         Avg.**         Avg.	SCEN	Nine			Mine			Se	Nine			d	of	
The line		year	1943	1944	00	1943	1944		year	1943	1944	1 6	7101	1
27.4 36.4 30.8 10.3 16.5 27.8 11.1 5 44 51 37 68 83.8 13.1 13.1 13.1 13.6 13.6 14.6 16.4 3.8 15.1 13.1 13.1 13.6 13.6 14.6 16.4 15.5 15.5 15.6 15.6 15.6 15.6 15.6 15.6		In	In	In.				7:	d	ercen	ercen	0	73+3	
36.9 54.2 29.7 16.2 27.8 11.1 5 144 51 37 68 12.9 12.9 20.0 10.6 10.4 3.8 17.1 15.9 17.0 10.6 10.4 3.8 17.1 17.1 17.1 17.1 17.1 17.1 17.1 17	son River	27 . 4	36.4	30.8	0	5	9.8			先	n	95	59	
28.7 32.2 33.0 10.6 14.6 10.4 3. 37 45 32 28 91 13.0 20.0 7.9 5.6 9.2 2.5 5.7 37 45 32 28 91 13.0 20.0 7.9 5.6 10.8 2.5 5.7 14.8 22 28 45 25.4 14.8 25.2 35.8 2.6 0.0 5.7 1 2.5 35.8 2.6 0.0 5.7 1 2.5 35.8 2.6 0.0 5.7 1 2.5 35.8 2.6 0.0 5.7 1 2.5 35.8 2.6 11.6 11.6 12.9 2.7 36 82 11.5 11.8 11.8 11.8 2.6 5.6 11.6 11.8 11.8 2.6 5.6 11.6 11.8 11.8 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	n River	36.9	54,2	29.7	O	00	11,11	150	丰	, <u>r</u>	37	98	污	
13.1 19.1 13.6 44.2 6.4 3.8 5 3. 32 46 3.8 91 12.9 20.0 7.9 50.6 9.2 2.5 2 445 46 3.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10	in River	28.7	32,2	33.0	0	9.	10.4	14	37	145	32	86	17	
12.9 20.0 7.9 5.6 9.2 2.5 2 14.5 16.8 6.0 1 33	iri River**	13.1	19.1	13.6	4.2.	7.	3.8	. 10	32	33	28		. 59	
21.5 37.9 26.9 7.1 16.8 6.0 1 . 33 44 52 84 31 76 85.8 10.0 10.8 2 . 39 48 31 76 23.4 25.2 35.8 8.0 10.9 10.0 10. 34 43 28 22 219 8.7 15.9 9.6 32.1 4.8 2.6 10.0 5.7 1 30 2.7 36 22 219 25.4 46.8 16.7 11.4 14.8 11 39 44 31 14.8 17.4 17.5 2 34 44 31 14.8 17.4 17.5 2 34 44 31 14.8 17.4 17.5 2 34 44 31 14.8 17.4 17.5 2 34 44 31 11.8 17.4 17.5 2 34 44 31 11.8 17.4 17.5 2 34 44 31 11.8 17.4 17.5 2 34 44 31 11.8 17.4 17.5 2 34 44 31 11.8 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	s River	12.9	20.0	7.9	5.6	N	20,21		43	746	32		27	
36.4 51.5 35.3 14.2 24.6 10.8 2 39 48 31 76  23.4 25.2 35.8 8.0 10.9 10.0 10 34 43 22  15.9 9.6 32.1 4.8 2.6 11.6 2 30 27 36 242  15.9 9.6 32.1 4.8 16.7 11.4 14.8 11 39 45 32  15.9 9.6 32.1 4.8 17.4 17.5 2 34 44 31  15.8 13.0 29.3 4.8 4.5 8.4 3 30 35 29 175  15.8 13.0 29.3 4.8 4.5 8.4 3 30 35 29 175  15.8 13.0 29.3 14.8 14.5 8.4 3 30 35 39 34  15.8 13.0 29.3 14.8 14.5 11.6 15.9 1 37 44 30 34  38.0 37.0 50.0 15.6 11.6 15.8 2 35 39 31 18  28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 134  28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 134	wstone River	21.5	37.9	26.9	7.1.	100	6.0	-	33	74	22		. 36	
23.4 25.2 35.8 8.0 10.9 10.0 10. 34 43 28 125 8.7 0.0 25.8 2.6 10.0 10.0 10. 34 45 15.9 9.6 32.1 4.8 2.6 11.6 2 30 27 36 242 34.5 39.3 56.4 11.8 17.4 17.5 2 34 44 31 148 34.5 39.3 56.4 11.8 17.4 17.5 2 34 44 31 148 35.1 15.8 13.0 29.3 4.8 4.5 8.4 3 30 35 29 175 37.1 0.0 21.7 1.9 0.0 6.5 1 27 44 30 92 34.4 22.6 38.2 12.6 9.9 11.6 17.1 1 35 39 34 128 36.0 37.0 50.8 13.3 14.6 17.1 1 35 39 34 188 36.7 25.0 37.8 11.1 11.2 13.1 2 36 45 35 39 34 188 36.7 25.0 37.8 11.1 11.2 13.1 2 36 45 35 39 31 108 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 134 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 134	one River	36.4	51.5	35.3	14.2	9.	10.8		39	148	31		丰	
8.7 0.0 25.8 2.6 0.0 5.7 1 30 — 22 15.9 9.6 32.1 4.8 2.6 11:6 2 30 27 36 14.5 15.9 36.8 16.7 11.4 14.8 11 39 44 26.5 16.9 36.8 19.6 17.4 17.5 2 34 44 30 15.8 13.0 29.3 4.8 4.5 8.4 3 30 35 29 7.1 0.0 21.7 1.9 0.0 6.5 1 27 44 30 34.4 22.6 38.2 12.6 9.9 11.6 4.4 37 44 35 35.3 37 0 50.8 13.3 14.6 17.1 2 36 45 35 17.6 30.0 55.0 15.6 11.6 16.8 2 33 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31	rn River	23.4	25.2	35.8	8.0	6	10.01	10 .	34	43	28		. 92	
15.9 9.6 32.1 4.8 2.6 11.6 2 30 27 36 445 36.5 16.9 36.8 17.4 14.8 11 39 445 32 445 32 56.4 11.8 17.4 17.5 2 34 44 31 32 34.5 16.9 36.8 9.6 7.1 11.2 7 36 42 30 35 29 34.4 22.6 33.2 12.6 9.9 11.6 4 37 44 37 44 30 30.7 22.6 33.2 12.6 9.9 11.6 16.9 2 32 40 29 34 41.4 58.6 18.0 16.6 16.9 2 32 40 29 34 35 30.7 25.0 37.8 11.1 11.3 13.1 2 36 45 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31	e River	8.7	0.0	25.8	2.6.	0.0	5.7	-	30	1	22	219	. 1	
15.8 13.0 29.3 4.8 4.5 8.4 3 30 45 32 45 56.4 11.8 17.4 17.5 2 34 44 31 31 32 4.5 15.9 15.0 29.3 4.8 4.5 8.4 3 30 35 20 21.7 1.9 0.0 6.5 1 27 27 27 20 21.7 1.9 0.0 6.5 1 27 27 44 30 30 31.0 11.0 11.0 11.0 11.0 11.0 11.	r River	15.9	9.6	32.1	1,00	9	11:6	ú	30	27	36	242	147	
34.5 39.3 56.4 11.8 17.4 17.5 2 34 44 31 30 36.5 16.9 36.8 9.6 7.1 11.2 7 36 42 30 35 29 34 42 30 35 30 21.7 1.9 0.0 6.5 1 27 27 44 30 35 35 35 35 35 35 35 35 35 35 35 35 35	Platte River		25.4	46.8	6	1.4	14.8	11	39	145	32	833	130	
26.5 16.9 36.8 9.6 7.1 11.2 7 36 42 30 30 35 29 34.4 22.6 38.2 12.6 9.9 11.6 4 37 44 30 29.5 41.4 58.6 18.0 16.6 16.9 2 32 40 29 34.4 58.6 18.0 16.6 17.1 1 35 39 34 35 30.7 25.0 37.8 11.1 11.3 13.1 2 36 45 35 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31	water River	34.5	39.3	1,95	-	4.7	17.5	N	34	14	31	148	100	
15.8 13.0 29.3 4.8 4.5 8.4 3 30 35 29 34.4 4.5 13.0 29.3 11.6 4.5 1 27 27 27 25.0 29.3 12.6 16.6 16.9 2 32 40 29 34 35 35.0 37.0 50.8 13.3 14.6 17.1 1 35 35 35 35 35 35 35 35 35 35 35 35 35	ie River	26.5	16.9	36.8	9.6		0	7	36	142	2	117	158	
15.8 13.0 29.3 4.8 4.5 8.4 3 50 .35 29 7.1 0.0 21.7 1.9 0.0 6.5 1 27 30 34.4 22.6 38.2 12.6 9.9 11.6 4 37 44 30 55.3 41.4 58.6 18.0 16.6 16.9 2 32 40 29 38.0 37.0 50.8 13.3 14.6 17.1 1 35 39 34 30.7 25.0 37.8 11.1 11.3 13.1 2 36 45 47.6 30.0 55.0 15.6 11.6 16.8 2 33 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31  periods. **Headwaters of Missouri River. ***Above Denver, Colo.	Platte												3	
7.1 0.0 21.7 1.9 0.0 6.5 1 27 30 34.4 22.6 38.2 12.6 9.9 11.6 4 37 44 30 55.3 41.4 58.6 18.0 16.6 16.9 2 32 40 29 38.0 37.0 50.8 13.3 14.6 17.1 1 35 39 34 30.7 25.0 37.8 11.1 11.3 13.1 2 36 45 47.6 30.0 55.0 15.6 11.6 16.8 2 33 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 periods. **Headwaters of Missouri River. ***Above Denver, Colo.	***10	15.8	13.0	29.3		4	4.8	2	30	35	53	175	187	
34.4 22.6 38.2 12.6 9.9 11.6 4 37 44 30 55.3 41.4 58.6 18.0 16.6 16.9 2 32 40 29 34 38 30.7 25.0 37.8 11.1 11.3 13.1 2 36 45 39 34 47.6 30.0 55.0 15.6 11.6 16.8 2 33 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31	Creek	7.1	0.0	21,7	10	-	6.5	٢	. 27	1	2	342	1	
55.3 41.4 58.6 18.0 16.6 16.9 2 32 40 29 34 30.7 25.0 37.0 50.8 13.3 14.6 17.1 1 35 35 45 39 34 7.6 30.0 55.0 15.6 11.6 16.8 2 35 35 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31	e River	34.4	22.6	38.2	0		-	<b>+</b>	37	<u>+</u>	30	92	117	
38.0 37.0 50.8 13.3 14.6 17.1 1 35 39 34 70.7 25.0 37.8 11.1 11.3 13.1 2 36 45 35 35 35 35 35 35 35 35 35 35 35 35 35	hompson River		41.4	58.6	50	0	0	N	32	4	29	16	102	
30.7 25.0 37.8 11.1 11.3 13.1 2 36 45 35 35 47.6 30.0 55.0 15.6 11.6 16.8 2 33 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 ter periods. **Headwaters of Missouri River. ***Above Denver, Colo.	rain River		37.0	50.8	30	4.	10	1	35	39	34	. 128	117	
147.6 30.0 55.0 15.6 11.6 16.8 2 33 39 31 28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31 ter periods. **Headwaters of Missouri River. ***Above Denver, Colo.	er Creek	30.7	25.0	37.8	-	-	N	N	36	145	35	118	116	
28.0 11.5 41.1 9.6 4.4 12.9 9 34 38 31. ter periods. **Headwaters of Missouri River. ***Above Denver, Colo.	Creek	147.6	30.0	55.0	50	1.	9	2	33	39	31	108	145	
28.0   11.5   41.1   9.6   4.4   12.9   9   34   38   31   ter periods. **Headwaters of Missouri River. ***Above Denver, Colo.								1		1			1	
shorter periods. **Headwaters of Missouri River. ***Above Denver, Col	SAS RIVER	28.0	11.5	1.		± ± ±		0	34	38	31	134	293	
	shorter	periods.		adwater	s of	100	1	* *	1	. Col				

## WATER SUPPLY OUTLOOK

#### MONTAN!

In the principal reservoirs is the same as last year at this time. Soil moisture is variable in the different irrigated areas but is generally fair to good and the stream flow subnormal for this season of the year. The outlook for the coming irrigation water supply is favorable. Last year the manoff was excessive and although snow now averages 8 inches, last year it was 16.5. For the several tributaries the average water contents are as follows: Jefferson now 9.8 inches, and 16.5 inches May first 1843, Madison 11.1 and 27.8, Gallatin 10.4 and 14.6, Marias 2.5 and 9.2, Yellowstone 6.0 and 16.8, and for the Missouri 3.8 and 6.4. The storage viding adequately for meeting the irrigation needs this coming season. Because of deficiency in snow cover MISSOURI RIVER AND TRIBUTARIES. On the headwaters of Missouri and its tributaries the water content of the the present water storage in snow is only one-half that of a year ago, it is estimated that the runoff will approach normal. This situation together with a substantial amount of water in storage will result in proon the Marias and Yellowstone there may be a moderate shortage in late water.

#### WYOMING

The Shoshone Reservoir now contains 304,000 acre-feet of water, or two-thirds capacity. The runoff is expected to fill this reservoir to spillway level during the period of peak runoff. On the Shoshone not approach that of last year but is expected to be sufficient to meet the irrigation needs of the valley. Project the soil moisture is fair to good, stream flow has been less than average because of cold weather during April but is now rising. Range and crop conditions are fair to good. The runoff this season will The water content of the snow on this drainage now averages 11 inches in comparison with 25 a SHOSH ONE

BIG HORN (WIND RIVER). For this stream, and its tributaries, the present water content of the snow averages 10 inches, last year at this time it was 11. The Lander and Wind River districts show the greatest inof the river can be expected. It is definite that a considerable amount of the runoff will flow out of the drainage during the month. The heavy April snow storms have blanketed the entire irrigated areas throughcrease in snow during April. On the Blue Ridge snow course the increase in water content was 9 inches and on the South Pass course nearly 6 inches. There was little or no accumulation in the upper Wind River present reservoir storage for irrigation is considerably more than last year and present indications are favorable that all reservoirs will fill to capacity. Because of the heavy April snow cover maximum stage out the valley, leaving the soil practically saturated. Farming operations are considerably delayed. State unused during June.

10 inches. Only a slight increase during the month was observed on the Tongue river drainage In comparison POWDER AND TONGUE RIVERS. The outlook for the coming season's irrigation supply has improved over the past month, particularly for the Powder. On the Sour Dough snow course the April increase in water content was

with last year at this time, both the Powder and Tongue have from 4 to 5 times the amount of water in snow storage. The supply of water for irrigation in these valleys is therefore expected to exceed somewhat that in 1943 and will be ample to meet all requirements during the first part of the season but is likely to be moderately short after August first.

drainage is 14.8 inches, last year it was 11.4. The reservoir storage is now increasing favorably, building up from 687,000 acre-feet April 30, to 715,000 on May 7th. Last year the May first storage totaled 828,000. total flow of the North Platte may exceed 500,000 acre-feet at Saratoga. The two high snow courses on this drainage, Old Battle and North French Creek, have respectively 29 and 26 inches of water in the snow as month ago. On the average the water content of the snow increased one inch during April and the resulting NORTH PLATTE RIVER. The coming season's irrigation supply outlook is now somewhat improved over that of a soil in fine condition, and somewhat more water in the snow on the drainage than last year, it is probable that all irrigation demands this season will be fully satisfied with a reasonable amount of carry-over for Storage in the Pathfinder Irrigation District reservoirs, Alice and Winatere, aggregates 44,000 acre-feet, excellent and planting retarded. In some areas irrigation will be withheld until May 20th or later, thus Stream flow is somewhat below normal due to cool weather. With the continuing rate of reservoir storage, compared with 30 and 32 inches last year at this time. The average water content of the snow over this last year 60,000. Throughout the entire irrigated area of the North Platte Valley the soil moisture is permitting further storage of the spring runoif. Crop and range conditions are now good to excellent.

SWEETWATER RIVER. The general snow cover on this drainage is equal to or better than it was a year ago. During April the water content of the snow on the Grannier Weadow course gained 52 inches which now equals the May first 1943 figure. The runoff into the Pathfinder Reservoir this season, April-July period, will exceed 60,000 acre-feet.

good to excellent, crop and range conditions are improving and stream flow slightly below normal. Foothill LARAMIE RIVER. The outlook for the coming season's runoff in the Laramie River and its tributaries is now improved over that of April first. During the past month there was also an inch accumulation in the water the Wheatland reservoirs. Throughout the Big and Little Laramie valleys the soil moisture conditions are content as an average over this drainage, and the present water in snow storage is 11 inches as compared with 7 inches last year at this time. Because of the now favorable conditions the April-July river flow at Jelm may reach a total of about 110,000 acre-feet. There will be excess water for further storage in satisfactory this season for meeting the irrigation needs with the possibility of some water flowing out snow is just starting to melt and the runoff will soon reach normal stage. The water supply will be

#### COLORADO

third better than last year at this time and much improved over April. For the drainage area, above Denver, the present water content of the snow is 8 inches as compared with nearly 5 last year, Grow Greek is now The general outlook over the South Platte as a whole, is approximately one-SOUTH PLATTE AND TRIBUTARIES.

St. Vrain drainage. Because of the heavy April snow accumulations on some of the tributary streams revisions of the April forecast appears necessary. It is now estimated that the April-July 1944 runoff for the Poudre will approximate 300,000 acre-fest, the St.-Vrain 100,000 and Clear Creek 150,000. The season's water supply capacity. The irrigated lands now have excellent soil moisture and the stream flow is normal with constantly increasing daily discharge. The present water content of the snow on Deadman's Hill, tributary to the Poudre and Laramie Rivers, now is 18,2 inches, the largest amount recorded for May first over the past 8 years. for irrigation throughout the entire drainage will be abundant, and all the principal reservoirs will fill to Clear Creek 17 and 12. The average April accumulation in the water content of the snow over the watershed which is practically identical with that of last year, St. Vrain 17, last year 15, Boulder 13 and 11, and 6.5 inches and last year the ground was bare, Poudre this year 12, last year 10, Big Thompson 17 inches, of the South Platte was about 32 inches. The greatest amount, 72 inches during the month, was on the

GROUND WATER. The ground water in the Poudre, Lone Tree and Pawnee valleys, on the South Flatte drainage area, is generally higher than it was a year ago. In the vicinity of Wellington the water table is about 6 feet higher and in the Lone Tree Valley as much as 3 feet in some places. For the Box Elder, Kiowa, Bijou and Beaver valleys in the lower South Platte, there was an average drop of 2 to 1 foot as compared with last year at this time. Along the main river valley the ground water level is about 1 foot lower.

AFKANSAS. The outlook for the coming season's irrigation water supply in the Arkansas Valley is now very favorable. The peak flow during the period of maximum snow melt. will exceed somewhat the average June stage valley is now the same as last year. Adverse weather conditions have greatly retarded spring farm operations and thus permit of further storage before urgent demands are made for the use of river water for direct. reservoirs. Runoff in the Purgatoire River should provide at least 50,000 acre-feet for storage in the new John Martin reservoir. The runoff from snow melt in the Fountain will probably exceed that of former years because of above normal snow cover in the Black Forest area of this drainage. Reservoir storage in this, of the river. Excess flow over direct irrigation demand will provide for additional storage in many irrigation. There will be no shortage of irrigation water in the Arkansas Valley this year.

GROUND WATER. The ground water level in the Arkansas Valley from Rocky Ford to Fueblo is approximately the same as that of a year ago. .

### SOUTH DAKOTA

The present outlook for the season's irrigation water supply, Belle Fourthe project, is very favorable late this year. Soil moisture conditions are excellent at this time and stream flow normal. Snow cover winter and spring and because of the delayed use of water for direct irrigation the opportunity for further at this time. Backward spring weather had delayed planting and the start of the irrigation season will be generally over the watersheds tributery to the Belle Fourche reservoir has been normal or better this past storage is now much better than it has been in recent years. MISSOURI AND ARKANSAS RIVER WATERSHEDS

Summary of Federal and State Cooperative Snow Surveys Issned May 10. 1944, at Fort Collins, Colorado

W H	I G	State	Locality  in May 10, 1944, 8  Locality  in the Spencer	Descrip- tion tion 21-13N-36E	Elev.	11000	Av. Sno Av. Sno In. In	Snow Course Measurements Snow Depth Av. Water Content 1943 1944 Av. © 1943 1944 In. In. In. In. In.	Course Megoth Av.c	Measurements Water Contents 1943 194 In. In.	ontents 1944 In.
RENER	N.Fk.BigHole Rock Creek N.Fk.BigHole Pipestone Cr.	Mont.	Jmi.S. Gibbons P. 15mi.NE. Sula Gibbons Pass Fipestone Pass	27-27N-21E 16-2N-17W 1-25-19W 11-1N-7W	5400 5400 7100 7200	0 0 c	09 00 24	0.0 60.0 42.2 4.3 5.4	17.6	3000	1,41
Seymou		Wyo.	da	19-4N-13W Average 444.3N110.6W	8100 J		35.6 44.9 27.4 36.4 62.8 98.4	4 30.8 4 30.8 4 53.7	10.3	16.5	20.00
Gibbon Riv South Fork South Fork Greyling G	ь .	" Idaho Mont.	.Lewis L. s Basin prings lowstone .Gallatin n Dam		7900 6500 6700 6700 6550	tin tr.P	87.5[118.0  66.0  39.5 7.4 16.7 3.8 2.6 21.3 35.8 23.3 9.1 5.4 2.2 1.9 2.2	0 66 0 23 3 8 23 3 8	39 39 39		25 6
Hyalite Cr.		Mont.	20mi.S.Bozeman	Average 114-55-65	for Drainage	in	54.8 55.9	2 29.7		-	11.1 18.1
Bozem #	Bozeman Cr. " Gallatin R.	===		31-38-7E	6600	P.		8 23.3	6 1.6	17.6	6 K
Ross Cr. Gallatin	Ross Cr. Gallatin River	= =	Smi.6E. #	90	7000 Gallat 7000 " for Drainage	ri.	28.7 32.2 33.0	2 33.0	10.6	14.6	10.4

\*On adjacent drainage

CAverage for period of record

-7-MISSOURI AND ARKANSAS RIVER WATERSHEDS

Summary of Rederal and State Cooperative Snow Surveys Issued May 10, 1944, at Fort Collins, Colonado

	nts	tont.	1941	In	0,6	•	1	0.0	ري. م	-	*. (	12.8		, 1	3.8		7.	1.6	Z.7				,	0.9				0.9
	Measurements	Snow Depth Av. Water Co. tent	11943 (1941)	u	7.7	. !	9.88	1.9	7.9	11.0	• \	. 1			h•9	2.	7.07	10.6	ص م					16.8				16.8
- andread		AV. Wat	1		0		7	1.1	5.7	0				,	4.2		0.0	2	5.0			,		L.,				7.
	Show Cover	er tin	Ax 0 1943 1941 AV. O	In.	7°.5		17.8	3.4	19.4	25.0		41.2	,		13.6	-	1	- 1	6.	•		5.	,	20.00	,			26.9
	Shore	Snow I	1943	In	6.2		28.2	7.00	23.5	30.0		1			19.1		17.8	22.2	<b>ං</b> දැ					37.9 26.9	- 1:	,		21.5   37.9   26.9
	May ]	Av.	AK	ur.	. 3. H		14.5	0.4	17.7	26.2					13.1		14.8	11.0	12.9				,	21.5				21.5
orado	National	Forest			Helena	Lewis&Clark	Helena	=	=	<del>T</del>	Lewis&Clark	#	# 1 1 m	=	for Drainage		FlatHead	5250 Glacier NF	for Drainage		Big Horn	Yel.Nat.P.	n n	Shoshone	Yel.Nat.P.	Absaroka	7850 Yel. Nat. P.	Drainage .
COTO	Elev.				6200	0002	6900	6250	6800	8000	2000	7950	6500.	0009	for I	,	5600	5250	for E		8800	7300	7500	8200	7750	2,400	7850	for
at Fort vollins, Colorado		Descrip-	tion		2-8N-5W	47.5N112.9W	16-1311-7W	13-8N-6W	13-8N-6W	19-8N-5W	19-9N-8E	35-13N-7E	31-10N-9E	22-12N-18E	Average		24-31N-19W	48.3N113.4W	Average		11-53N-87W	44.9N110.6W	44.9N110.6W	32-56N-106W	W-72110.5W	25-9S-1hE	44. 6m110. 4m	Average
10, 1944,	Lec: tion	Locality			11mi.SW.Helena		Stemple Pass	17mi.SW.Helena	= =	# # #	6mi.S.W.S.Spgs.	21mi.M.W.S.Spgs.	12mi.E.W.S.Spgs.	19mi.S.Lewiston			Wont. Umi. S.Belton	Summi t		•		.SE. Gardiner	=	34mi JIW. Cody	Jot	Cook City	3mi.NE.FishingBr. 444.6MI10.4W	\$
Issned May		State		·	Mont.	=	=	= ,	=	=	=	±	=	=			Mont.	=	-		Wyo	=	=	=	=	Mont.	Wyo.	:
	Local	Drainage			Tonmile	South Fork	Canyon Creek	Tenmile	=	=	Grasshopper Cr.		Mussellshell R	Judith River,			Cutbank Cr.	Two Medicine			Goose Crook	Lupine Creek	CF.Blk.Tail Deer	Lodge Pole Cr.	Tower Creek	Soda Bottle Cr. Mont.	Yellowstone	
	Main Drainage	pue	No Snow Course	MISSOURI RIVER	(Headwaters)	Goat Mountain	Stemple Pass	Tenmile Cr.Lower	Tenmile " Middle		1.	*	Crville Harris	Half Moon		MARIAS RIVER	Desert Mountain*   Cutbank Cr.	Marias Pass		YELLOWSTONE RIVER	Dome Lake	Lupine Creek	Doer	43 Lodge Pole			7 Lake Camp.	
	,		N		9	H	36	7.	42	43	3	٠.				٠.	_	ର :	'		17	9.	4	43	2		~	**

\*Adjacent Drainage

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MISSOURI AND ARKANSAS RIVER WATERSHEDS

Summary of Federal and State Cooperative Snow Surveys Issued May 10, 1944, at Fort Collins, Colorado

	ents	Snow Depth Av. Water Content	1944	In.	5.0		16.7							19.3				16.7		-		0				5.7		* .		13.5
	Measurements	ter 6	11943	In.	14.5		34.7	24.6		0.1	7.0	1	±°2	12.8	18.0	2.3	1.6	34.07	11,2	13.6	12.3	.0%	10.9		1:	0	0.0		0.1	C/C
	er Mea	Av. Wa	A.V.®	In.	7.0		21.3		•	3.9	9.9		0.9	11.3	11.9			<u>N</u>	00 00	1	9.9	2.5	O. 80			2.6				2
	Snow Cover	Dep th	13944	In.	18.4		52.2	35.3		27.5	35.0		8.64	65.8	11.6 56.2		0.0	55.2	53.5		18.5	0	35.8			25.8	25.8	·	28.4	35.8
			Av.@ 1943 1944 Av.@	In.	19.0 30.3 18.4		7 72.7	4 51.5			0 19.8			1 -1				7 72.7		34.0							0.0			118.8
	May	Av.	A v	In.			53.	36.4		11.9	21.0		19.	.   36.	35.8		200	53.7	29.	1	19.2	5.3	23.			3.7	8.7	3	12.4	19.4
orado	National	Forest				Shoshone	9200 Washakie	for Drainage		Bighorn	=	Bighorn	Washakie	-	=	Shoshone	Washakie	<b>#</b>	Shos. I.R.	=======================================	Washakio	ghan gade	Drainage		Bighorn	=	for Drainage		OffForest	8500 Bighorn
s, Col	Elev.				7100	9500	9200	for I		8300	8800	8800	8500	9500	9000	8000	7500	9200	9000	9500	8750	8000	for I		8800	7700	for I		7500	8500
at Fort Collins, Colorado		Descrip-	tion		12-52N-110W	25-51N-106W	23-44N-110W	Average		30-49N-86W	32-53N-88W	11-53N-87W	3-31N-101W	23-31N-101W	13-30N-101W	28-46N-103W	3-42N-109W	23-44N-110W	26-1M-4W	23-25-3W	27-42N-108W	1-43N-107W	Average		11-53N-87W	4-53N-86W	Average	,	18-43N-85W	17-49N-84W
May 10, 1944, at	Location	Locality			Sylvan Pass	27mi.SW.Cody	Brooks Lake			15mi.NE.Tensleep	14mi .E.Shell	Dome Lake.	13mi.SW.Lander	15mi. " "	19mi. " "	42mi.SW.Cody	16mi.W.Dubois	Brooks Lake	27mi.M.Lander		9mi.IW.Dubois	12mi.M.Dubois			Dome Lake	20mi SW Sheridan			23mi.W.Kaycee	10mi.W.Klondike
Issne		State			Wyo.	=	==			Wyo.	<b>=</b>	* . T	=	=	= -	=	=	=	<b>≠</b> 4	=	= :	=		q.	Wyo.	=		•	Wyo.	=
	Local	Drainage			Middle Cr.	Hardpan Cr.	Shoshone R.			Tensleep Cr.	Ranger Creek	Shell Cr.	Popo Agie R.	= = = = = = = = = = = = = = = = = = = =	L.Popo Agie R.	Wood River	2 Sheridan Cr.	Wind River	St.Lawrence Cr.	.Trout Creek	Wind River	Horse Creek			Goose Cr.	E. Goose Cr.			Middle Fork	Sour Dough Cr.
	Main Drainage		No. Snow Course	VER	Sylvan Pass	Up. Hardpan Basin	Brooks Lake #3*		BIGHORN RIVER	Tensleep R.S.	Range Creek	Dome Lake	Sawmill Glade	Blue Ridge	*	Wood Piver	Sheri,dan Cr. R. S. #2 Sheridan Cr.	Brooks Lake #3	St. Lawrence R.S. St. Lawrence Cr	Mosquito Park R.S. Trout Greek	Dulloir	T-Cross Ranch		TONGUE RIVER	Dome Lake	Big Goose Cr.R. S.E. Goose		POWDER RIVER	Red Fork	Sour Dough
			NO		32	33	50			13	16	17	145	94	4	148	40	20	51	55	53	54			77	17			30	31

\*On adjacent drainage . GAverage for period of record

MISSOURI AND ARKANSAS RIVER WATERSHEDS

Summary of Federal and State Cooperative Snow Surveys Issued Way 10, 10kh, at Wort Collins, Colorado

Main Drainage	Local	Issued May 10	ocation	Fort Collins,	Colorado Elev. Nat	ndo National	May 1	Show	Cover Me	Weasurenen	nts
pue	Drainage	State	H	Descrip-		Forest	AV. S	Snow Je	South Av.	1	Content
No Snow Course				tion			0	1	1947 AV @	19	1944
SOUTH THE PLACE								In. I	In. In.	In.	In.
Van allanda dinon	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. (					1			r	1 .
Cameron Fass	Michigan Cr.	0 100	Camer			vel t	61.5	0 1	2.0 23.1		101
	Illinois Gr.	= :	EI .	24-5N-78W		Routt		P-	0	<u> </u>	
8 Columbine Lodge		==	Rbt. Ears Pass	21-5N-82W	9300			29.0 5		12	ن. ا
51 Big Creek Lake	Big Creek	=	P.	9-11N-82W	0006	=		A-	0		1.0
Willow Creek P.*	Illinois Cr.	% ₩	Willow Cr.Pass	1-4N-7SW	9500 A	Arapaho	33.7	~	33.1 IZ.5	~	9.1
Bottle Creek	Encopent Cr.	Wyo.	7mi.SW.Encmpmnt	24-14N-85W		MedicinoBow	21.3	4. 4. 28	2		0.0
8 Webber Spring	= .	=	## ***********************************	27-14M-85W.	0006	=	14.7	26.9 4	,!	12	.15.8
9 old Battle	=	· =	;	29-14N-85W	0086	· #	~	2.17	7.2 32.0		.28.9.
North French Cr.	N.French Cr.	· =	Saratoga	27-16N-80W	10200	= -	80.0	3.7	5.9 32.7	32,	26.3
38 M.Barrett Cr.#2	Barrott Cr.	=	,	30-16N-80W	0046	==		15.0	4.9 20.8		
Ryan Park #2		=		34-16N-81W	001/8	=	18.4	0.0	150		00
				Average	for Drai	inage	43.0	25.4 4	6.8 16.7	11.4	14.08
SWEETWATER RIVER					and adjace						1
29 Grannier Meadows	Rock Creek	Wyo.	20mi.SW.Lander	19-30N-100W	M 0006	Washakie	3.2	0.5	6.6 11.8	16.8	18.0
South Pass*	=	<b>=</b>	19mi. " "	13-30M-101W	0006	=		1,6	6,2 11,9	18.0	17.0
				Average	for Drainage	inage	7.	39.3 5	6.4 11.		17.5
LARAMIE RIVER			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1 1						•	-
Brooklyn Lake	Nash Fork	Wyo.	7mi.M. Centennial	11-16N-7.9W	10200 M	Medi cinaBow	54.0	TC.	62.4 21.7	19.9.	20.7
Fox Fark	Fox Creek	<b>\$</b>	Fox Park		9200	=	10				10.4
4 Pole Mountain #2*Soldier Cr.	"Soldier Cr.	=	10mi.SE.Laramie	35-15M-72W	8700	-20			21.7 1.9		6.5
	Libby Creek.	=	$\mathbf{d}$	29-16N-78W	8700	# #.	10.5		5.9 3.4		7.7
36 Hairpin Turn#2	Nash Fork		20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	24-1611-79W	9500	<b>e</b>		7	36.3 9.9		10.4
4 W.Port-G-P.Tunnel	Maramie R.	. Colo.	Umi.N. Chambers L	7-SM-75W	8600 R	cosévelt	<u></u>		, r.		5.1
	Deadmen Cr.	=	10mi.W.R. Feather	200	10200	=	49.5	9	16.	1	19.6
Deadman Hill#2*	Deadmen Cr.	=	Smi.SW."	Mt/-N6-9	10200	=	41.9	- 5		-	16.8
88 Roach	LaGarde Cr.		Smi . W. Glendevey	5-10N-77W	9300	=		42.8 5	187	15.7	17.3
				Average	for Drai	inage	26.5	16.93	9.0 8.9	1	11.2
MAN SALABOOM AND		51		A	2						·

\*On adjacent drainage

MISSOURI AND ARKANSAS RIVER WATTERSHEDS

Summary of Federal and State Cooperative Snow Surveys Issued May 10, 1944, at Fort Collins, Colorado

		3	T 103 CT 113 CT 127	- 2	11_	-	- 1				- Commence of the Commence of
Mar n nramage	Local		no ca ti cu		T - A OTT	National .	May	Show Cover Measurements	r Meas	nemein	ts.
bus	Drainage .	State	Locality	Descrip-		Forest	Av. Sn	Snow Depth,	Depth Av. Water Content	er Cor	tent
No Snow Course			•	tion			A.V. 6.1.1	Av. 6.1.1943.1944.Av.@	Av.G	19431	1944
	•			1.0			In. I	In. In.	In.	In.	In.
CHEYBNNE RIVER		•		en engagene	-	. ,			•		
1 Upper Spearfish	Spearfish Cr.		S. Dak, 21m1, SW, Spearfish21-3N-1E	21-3M-3E		Black Hills			•	1	
2 Upper Castle	Castle Cr.		-1,1mi.NW.Deerfield24-2N-1E	24-2N-1E	0089	=		-		1	
3 Decriicld	Silver Cr.	= -	Smi.M.Deerfield 23-1N-2E	23-1N-2E	6010	# #	-		-		
				Average	for Drainage	inage					
SOUTH PLATTE RIVER	問	•				=				- 1	
14 Hoosier Pass	S.Platte H.	Colo.	Hoosier Fass	13-8S-78W	11\00\II	Fike	32.6 2	24.0 45.6 10.5	10.5	7.00	14.0
15 Fairplay	11 11 11	=	Fairplay	-	10000	=	0.6	0.0 万.4	0.1		1.0
83 Jefferson Cr.#2	Jefferson Cr.	=	efferson	14-75-76W	10100		14.2 1		3.9	4.7	10.2
31				0	for Drainage		15.8	13.0 29.3	100	4.5	× 1
CROW CREEK				pm)	_					)	
34 Pole Mountain #2 Grow Greek	Crow Creek	Wyo.	10mi.SE.Laramie	35-15N-72W	8700	8700 MedicineBow	7.1	7-12-0-0	1.9	0.0	6.5
				;		: .	4			:	
POUDRE RIVER			**		-	: .					
1 Came ron Fass	JoeWright Cr.	Colo	Comeron Fass	,	10300 E	Roosevelt	61.5 4	40.0 62.6,23.1	23.1	18.0	17.4
2 Chambers Lake	Foudre, River	=	Chambers Lake		9000	±		15.9,	7.5	9.0	5.3
3 Big South	=	=	Smi : E. Chambers L.	L.33-8N-75W	8600	; =	1.5	0.0 6.3	0.5	0.0	7.0
50 Deadman Hill	N.Poudre R.	=	Ioni .W.R. Weather	1	10200	=			16.3	1	19.6
65 Lake Irene*	Big. S. Poudre	311	Imi.SW.Wilner P.	٠ ٪,	10600	Ry.Mtn.N.P.	2	67.8	23.4	20.9	7° 12
68 Hour Glass Lake	L.S.Poudre	=	2mi.NW.Fingree P.18-7N-73W	18-7N-73W	9500 F	Roosevelt	ά,	23.4		10.9	1
71 Deadman Hill#2	N.Poudre R.	=	Smi.SW.R.Feather	,	10200	=	11.9	59.3	13.3	1	16.8
	•	•		Average	for Dr	rainage	34.4.12	-	12.6	6.6	11.6
BIG THOMPSON	-		. :				. :				
65 Lake Irene*	BigThompson R.	Colo.	lmi.SW.Milner P.		10600 F	Ry.Mtn.N.P.	65.2 4	48.8 67.8 23.4		20.9	21.4
95 Hidden Valley#2	Hidden Val. Cr.	=	9mi.W.Estes P.	23-511-74W	9550   1	= ==	45.4 3	33.9 49.4			12.4
				Average	for Dr	for Drainage	55.3 4	58.6		-	16.9
*On adjacent drainage	960	· ·				• •			<del></del> :		

@Average for pariod of record

Summary of Rederal and State Cooperative Surveys

Collins, Colorado	Elev. Mational May 1 Snow Cover Measur	Forest Av. Snow Depth Av. Wat		3N-74W 10000 RV Wtn N P 38 0 37 0 50 8 13 3 14	9400 Roosevelt 5.5 .0.0 12.3 1.7	Drainage 30.7 25.0 37.8 11.1	7,6W 10100 Arapaho 38.1 15	<del>ا</del> ک	W 10500 Cochetopa 15.5 0.0 25.4	29.9.11.7	2W 10300 MaxwellGr. 16.8 0.0 27.3	SanGristodr 11.6 0.0 35.3	11400 Arapaho 149.5 46.9	9w 10000 San Isabel 22.0	28.3 64.1 20	1 1 0 E LI D PL O OC
Issued May 10, 1944, at Fort	1	State Locality. Descrip	tion	Colo. 5mi.W.Allens P. 24-3M	East Portal 2-2		Colo. 10mi.W.Georgetwn 27-45." Imi.W.Loveland P 2-55-		Colo. Tennessee Pass 21-85	SO SO	Pass	n LaVeta Pass 22-28	1 00	LaVeta	" Nonarch Fass 16-49	
	2	Drainage	No Snow Course	ST. VRAIN RIVER N.St. Vrain .R.	Est T. S.Boulder Gr.	CLEAR CREEK	61 Loveland Pass #2 Clear Greek 97 Grizzly Peak* " "	ARKANSAS RIVER	19 Tennessee Pass Tennessee Gr. 21 Twin Lakes Tun. Lake Greek,	Marshall Greek* Poncha Gr.	Whiskey Creek#2 Whiskey Cr.	Toyle Pass #2* Cuchara Cr.		Blue Lakes #2 Cuchara Cr.	Wonarch Pass S.Fork Ark.R.	

OAverage for period of record \*On adjacent drainage

### -12-MISSOURI AND ARKANSAS RIVER WATERSHEDS RESERVOIR STORAGE

	0 89		100	30	200	100	100	100	100	100	100	100	100	100	100	100 F	1001	100	100	100	100	200	000	100	100	100	100	100	
nclu-	m %		143	120	101	1200	109	100	263	200	138	137	106	171	130	139	125	14.	198	295	119	125	777	记	126	1,48	175	2/1	
ies)	4 6		100	7 00	000	200	192	146	179		-	-	-	92			000	65	-	-	8	-	-		-	-	-	23.5	.1
	-GI		· •	2.		•				Su.		-	100	-	-	-	1.5				7		* .		1.	-			1
to 19 agen for			4	מ ר		F -	00	1.	7	- 00	0	0	.5	5	N.	+ L	0.0	11	0	0	00	1 1/2	-	200	6	150	a,	49	
935 ther	A S		57	U L		100	12	#	60	rc	1年	24	33	17	54	22	9.0	ırc	一	00	~	w.	11	-	7	5	m	ma	
o he o	+ +		or	0=	t 0	0 -	0	1	2		5	, <sub>-</sub>		0	9	1 1/2		3		2	mi	0	0 0	50	101	N	<b>=</b>	40	
year on an	10		4	nu	0 7	LY CH	- =	-	2	12.	56.	34.	35.	300	200	ממ	אור ב	00	0	26.	0	1 =	+	3,5	9	2	ณ์	t=00	
ti	43		0,1	10	0 1	مرد	0	-	03	9	70	0	0	00	9	2	0 -	1	- 01	~	ai	0 0	V	11	- 01	, <del>,</del> , <del>,</del>	CV.	 t_t	
or lam f f	19 Ac-	1	81	2,1	CT.	10	17	7	23.	12	57	34.	33.	100	68	N	-	· a	13.	M	07:	1 +	- (	90	9	9	17	1.5	
Hec Rec	ددار		0,1	1 -	+ 4	0.0	5	, ,	0	1	~	J.	<b>#</b>	#	اريا	2	0 1	1	0	0	in.	0 0	0 1	Ju	オ	00	-17	00 00	
ay of nta	19 Ac-	5	- (	2	000	0 0	1 ~	- 00	13	12	55	35	35	00	19	20	V ,-	9	7	0	9	ナニ	+	200	9	S	2	001	
of E	11 t		9							0	5	5	1.	00	oj.	-10	7	00	N	0	1-1	7.	0.0	V C	0	0	10,	ωrc	
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\$0 CO	40 f.t.	1		-		0 0			9											-	- 40			-1-					
Wyomin do, U.	19 <sup>1</sup>		25	ا ا	7 -	1 14	7 00	-	H	0	12	W	m	~	35	NI	20	N	0	0.	<b></b>	- L	0-	7 t	1=1	-	Ú,	101	
and Wilorad	10 4					0 0				0	4.6	7	-	0.	<b>寸</b> 。	n'u	0.1	9	200	0.0	N I	20.1	-	71	0	in	Mi	200	-
000	VC 1	,	1 0		4,0	Ú' ř	1		7	17	12	m	3	58	96	7.		7	12	), ),	012		) T	77		7	7	010	
orad of O-ye	938 ft		# = = = = = = = = = = = = = = = = = = =	1 +	7 2 7	100	200	6.0	0.0	7																		زبر	1
	A C.	. 3	1.10	4	- F	+	H			, , , , , , , , , , , , , , , , , , ,	36	'a'	3		200	V		-		-		,,,,	7	- 11		-	14 /0	OH	
a send	1-1+	2	100 t	1001	000	000				5.2							- F				. 0	40		21	1.	1,01		00	
PT-1	193	-	H .=	* -	9 0	U -1	-					-		7	3.8	- V	-			-		-	TOT		7			-	
Acre- State	1936 Ac-ft	7	4 0	N. C.	1 7	7.57	いった	14.7	0.0	0.0	1,04	18.6	1.2	200	56.8	J. C	100		3.0	3.1	0.6	200	T. T.	- 1	4.2	5.9	200	700	
to d	193	•				-1	_					-				.V		4.				-	-1	-	-	-			ods
housands gathered city. B	1405 Ac-ft		10	- K	コント	- 1	23	0.1	0.0	0.0	12.7	0.0	31.7	4.2	30.1	77.00	1.1	0.0	7.0	500	7.5	200	0 0 0 0		4.1	3.0	7.00	0°0	per
Thousands gathered acity. B			000		12		2	2	0	9	10	~	+	200	0.0	110		1	~	ó	4.	+ 1	D L	2	N	+	100		ter
E G	Capacity Ac-ft.	图 6	81.9	200	70	いた。たい	18	10	33.	20°	57.	37.	35.	32.	20.	2007	1 -	12.	7,7	14		20	0	11,	00	9	-00	00.4	short
ge in da or or co	Cap	DEAINAGE			1	,						-	1			,													or s
800		DEA		1				1.5	10			*			S.			1 1	T	*	1			מדמ	1		92		es H
0 5	н	PLATTE	116	4		-				ek	0	-	Lake		ROCKS	200			Loveland				Donamo	Creek			Lake	1 ow	averages
rvoir S Percent	and I	PL	M di	On ou		· ·	ley	all	0	Gre	side	0	on I	4	TO.	r Me	. u		Love	Lake	Tree	2 2	1	4	3/	gan	eric	Hol	ave
Reservoir sive (B	Reservo	SOUTH	Chooceman	Warretton	Rank	Milton	Standley	Marshall	Intero	Horse Greek	Riversid	Empire	Jackson	Prewitt	Point of	Julesburg	Albion	Union	Lake	Boyd 1	Lone	War rano	Code of	Fossi1	Terry	Halligan	Chamber's	Black Hollow	Some
田公文	IEI I	w.t	<b>=</b> C	5 %	, tr	Z	.CO.	Z	4	耳	陆	国	ا در	١٠	A, F	ع لو	14	5	H	Ã,	1			Fi	T	H	35	omi	d

RESERVOIR STORAGE, Cont.

A - Percentage of	of capacity.	M	= Percentage	ntage of	10-ye	ar averag	(D)	- Perce	ercentage	of filli	ng fore	rast for	1944.		
	Capacity	1935	1936	1937	1038		1940	1941	1942	1947	1944	AVE	4	ed.	0
	Ac-ft.	Ac-ft.	Acaft.	Ac-2t.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	Ac-ft.	1	66	20	Be
ARKANSAS DRAINAGE	田														
Twin Lakes	57.9		14.5	7,77	7.2	28.4	15.3	11.5	~	27.0		19.9	50	977	100
Sugar Loaf	17.4	4.2	6.5	5.1	2.4	6.9	1.7	5.5		12.0		9.9	<b>∃</b>		75
Clear Creek	11.4		0.2	0.0	1.0	3.5	1.0	0.8	5.1	8.9	5.6	2.3	23	_	100
Meredith	41.9		0.0	3.0*	0	24.3	0.0	0.0	3	34.1		12.5	12		100
Horse Greek	26.9		0.0	1.9	0	8.3	0.0	0.0	-	19.5		5.6	3		75
Adobe Creek	9,19	0.0	0.0	1.7	0	8.2	0.0	0.0	00	0.94		16.1	17		100
Cucharas	0.04		4.3	25.2	#	2.1	↑·0	3.1		0.2		7.6		-	2
Two Buttes	6.04	3.0	03	28.7	25.5	56.9	14.2	12.0	3.	0.6		14.2	_		1
John Martin	655.0		1	1	1	1	1	1	- 1	30.8		45.4	-	-	25
Great Plains		0.0	0.0	0.0	0.0	33.4			63.6	101.3		t. t2	1	-	8
Model	15.0	0.0	2.6	1.8	200%	00	1.3	5.3		4.9		9.4	52	-	100
NORTH PLATTE DRAI	DRAINAGE												,	`	
Pathfinder	1070.0	133.2	263.5	343.8	CU								36	古	**
Gue rnsey	72.7	24.8	でき	37.5	52.5	45.0	1,7.1	500-3	15.5	144.8	26.6	42.0	37	63	**
Seminoe	1020.0	1	1	1	0								7	12	*
Alcova	165.8	1	1		4.66				33.				63	17	*
Wheatland	₩°07	13.0*	35.0*		0								5	17	100
Lake Alice	13.8	0.0	2.2	5.3	3.0								7	10	100
Minatare	80.8	5.3	18.1		30.6				38.1				19	15	100
Kingsley-Suther-															
land	2180 0	ŧ	57.5	1	1	82.0	0.68	170.0	540.0	0.776	854.0	395.6	39	516	142
BIG HORN DRAINAGE	ra														
Bull Lake	155.0	1	1	1	0.0	142.8	38.8		2-19	1.6.7	79.8	9.4	5	192	100
Pilot Futte	30.0	1	1	1	21.5		2.t.2	21.7		Co	3		179	-	100
SHOSHONE DRAINAGE															
Shoshone	456.6 354.8	354.8	387.7	342.1	317.1	394.3	106.9	36.9	357.0	391.9	304.3	299.3	67	102	100
SNAKE DRAINAGE															
Jackson Lake	847.0 206.0	206.0	331.5	504.2	9*054	620.8	1,92.7	332.1	462.8	h29.0	747.5	1455.7	90	164	100
Belle Fourche	198.1	68.9	78.0	50.6	104.5	64.5	47.8	9.09	155.5	159.7	151.2	03.7	16	161	100
Some averages for		shorter periods	spo		1	1									

\*Estimated

\*\*Maximum storage in North Platte reservoirs in Wyoming will reach 1,000,000 acre-feet.

